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(54) **ZERO CLIENT DEVICE WITH MULTI-BOOT CAPABILITY SUPPORTING MULTIPLE ZERO CLIENT PROTOCOLS**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

System and method for zero client communications. A zero client device includes a housing, and in the housing, a transcoding processing unit (transcoder) and a communications processing unit coupled to the transcoder. The transcoder is configured to receive input data from human interface device(s), encode the input data, and provide the encoded input data to the communications processing unit for transmission over a network to a server. The communications processing unit is configured to receive the encoded input data from the transcoder, transmit the encoded input data over the network to the server, receive output data from the server, and send the output data to the transcoder. The transcoder is further configured to receive the output data from the communications processing unit, decode the output data, and send the decoded output data to at least one of the human interface devices.

10 Claims, 12 Drawing Sheets